

We claim:

1. A biochip comprising a large number of spots of capture material arranged on a base plate, obtained by supplying, onto said base plate by means of an ink jet system, a plurality of types of capture solutions, each said capture material being adapted to specifically react with a specimen and provide information about a structure within the specimen, wherein:

a plurality of said spots, which have different spot sizes, are formed on said base plate, wherein all of said spots have uniform detection sensitivity.

2. A biochip according to claim 1, wherein said plurality of spots are formed from the same capture solution.

3. A biochip comprising a large number of spots of capture material arranged on a base plate, obtained by supplying, onto said base plate by means of an ink jet system, a plurality of types of capture solutions, each said capture material being adapted to specifically react with a specimen and provide information about a structure within the specimen, wherein:

a plurality of said spots are formed in which the concentration of the capture material in the capture solution varies from spot to spot, wherein all of said spots have uniform detection sensitivity.

4. A biochip according to claim 3, wherein said plurality of spots are formed from the same capture solution.

5. A biochip according to claim 1, wherein said spots are formed using the ink-jet system, wherein said capture solution is impacted onto said base plate after being discharged into the atmosphere, and wherein a force of the discharge is controlled electrically.
6. A biochip according to claim 2, wherein said spots are formed using the ink-jet system, wherein said capture solution is impacted onto said base plate after being discharged into the atmosphere, and wherein a force of the discharge is controlled electrically.
7. A biochip according to claim 3, wherein said spots are formed using the ink-jet system, wherein said capture solution is impacted onto said base plate after being discharged into the atmosphere, and wherein a force of the discharge is controlled electrically.
8. A biochip according to claim 4, wherein said spots are formed using the ink-jet system, wherein said capture solution is impacted onto said base plate after being discharged into the atmosphere, and wherein a force of the discharge is controlled electrically.
9. A biochip according to claim 1, wherein said spots are formed using the ink-jet system, wherein said capture solution is impacted onto said base plate after being discharged into the atmosphere, and wherein the number of times of discharge at each spot and a force of the discharge are electrically controlled, respectively.
10. A biochip according to claim 2, wherein said spots are formed using the ink-jet system, wherein said capture solution is impacted onto said base plate after being

discharged into the atmosphere, and wherein the number of times of discharge at each spot and a force of the discharge are electrically controlled, respectively.

11. A biochip according to claim 3, wherein said spots are formed using the ink-jet system, wherein said capture solution is impacted onto said base plate after being discharged into the atmosphere, and wherein the number of times of discharge at each spot and a force of the discharge are electrically controlled, respectively.

12. A biochip according to claim 4, wherein said spots containing are formed using the ink-jet system, wherein said capture solution is impacted onto said base plate after being discharged into the atmosphere, and wherein the number of times of discharge at each spot and a force of the discharge are electrically controlled, respectively.

13. A biochip comprising a large number of spots of capture material arranged on a base plate, obtained by supplying, onto said base plate by means of an ink jet system, a plurality of types of capture solutions, each said capture material being adapted to specifically react with a specimen and provide information about a structure within the specimen, wherein:

a plurality of said spots are formed in which the concentration of the capture material in the capture solution varies from spot to spot, wherein all of said spots have uniform detection sensitivity and said base plate comprises glass.